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TITLE : LAMINATED SHEET FOR ASPHALT ROOFING

ABSTRACT : PURPOSE: To obtain a laminated sheet for an asphalt roofing, having a high strength and elastic modulus and excellent in dimensional stability by laminating low shrinkable nonwoven fabrics to the front and back surfaces of an interlayer part comprising specific glass fibers, polyvinyl alcohol-based fibers or polyester fibers and integrating the fabrics with the interlayer.

CONSTITUTION: This laminated sheet for an asphalt roofing is obtained by laminating low shrinkable nonwoven fabrics such as polyester-based spunbonded nonwoven fabrics to both the front and the back surfaces of an interlayer part formed by arranging glass fibers, polyvinyl alcohol-based fibers or polyester fibers having $\geq 5\text{g/d}$ tensile strength, $\geq 2\text{g/d}$ stress at 3% elongation and $\leq 0.5\%$ dry elongation in heat treatment at 180°C for 10min in one direction or both the direction and a direction crossing the one, then carrying out the needle punching treatment, integrating the fabrics with the interlayer part and impregnating the integrated sheet with a mixed resin of urea/melamine with an acrylic ester, etc.

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